

COASTAL ZONE ENVIRONMENTAL IMPACT OFFSET MATRIX

Applicant: NALCO, AN ECOLAB COMPANY
Project: 800 CENTERPOINT BOULEVARD
CZA Offset Review Reference: (DNREC Only)

Page 1 of 1
Application Date: FEB 29, 2016
Amendments:
Offset Review Date: (DNREC Use Only)
Matrix Amended:

ATTACHMENT “J”

ENVIRONMENTAL IMPACTS	(Applicant's Use) DESCRIBE ENVIRONMENTAL IMPACTS	PAGE NO.	(Applicant's Use) DESCRIBE ENVIRONMENTAL OFFSET PROPOSAL ¹	PAGE NO.	(DNREC Use Only) OFFSET SUFFICIENCY Yes, No or N/A
Air Quality (Applicant to List Below by Parameter)	Hydrochloric (HCl) Acid fumes displaced during tank fillings; approx. 8,000 cubic feet/year.	14	A scrubber system installed on the HCl vent line is 99% efficient and will reduce escaping fumes to 80 cubic ft/yr.	15	
	NOx emissions from commercial-grade water heater; approx. 0.0773 tons/year.	14	The applicant has agreed to purchase one (1) ECR from DEDO for NOx non-ozone to offset water heater emissions	32	
Water Quality					
Surface	No expected impacts to surface water quality.	16			
Groundwater	No expected impacts to groundwater quality.	16, 21			
Water Quantity					
Surface	No expected impacts to surface water quantity.	19			
Groundwater	No expected impacts to groundwater quantity.	19, 21			
Water Use For:					
Processing	Up to 50,000 gals/day of potable water will be used for the process and returned to the municipal sewer system.	16	The water will be cooled and neutralized to a pH of 7 before being returned to the municipal sewer system.	16	
Cooling					
Effluent Removal					
Solid Waste	Solid waste materials will consist of typical commercial waste include packaging, plastic, and paper materials.	22	Solid waste materials will be placed in a dumpster for local disposal.	22	
	Activated carbon filter media from leased filter canisters.	22	Activated carbon will be collected by a licensed contractor and transported to an out-of-state facility.	22	
Hazardous Waste					
Habitat					
Wetlands	No impact; the proposed project will reuse a portion of an existing structure in an existing business park.	24 - 26			
Flora Fauna	No impact; the proposed project will reuse a portion of an existing structure in an existing business park.	24 - 26			
Drainage/Flood Control	A 20’ x 20’ concrete tank pad plus a 20’ x 100’ paved access lane will be constructed for the outdoor HCl tank.	11	Tank pad and paved lane will increase existing impervious surface area by less than 1% (0.85%).	18	
	The proposed project will rely on the existing drainage systems and SWM facilities of the existing business park.				
Erosion ²					
	No impact; the proposed project will reuse a portion of an existing structure in an existing business park.	18			
Land Use Effects					
Glare	No impact; the proposed project will be inside an existing structure in an existing business park.	28, 29			
Heat	The proposed project will generate a minor amount of heat.	28, 29	The existing building is air-conditioned		
Noise	The proposed project will generate a minor amount of noise.	28, 29	The existing building and insulation will attenuate most noises generated by the project		
Odors	The proposed project will generate a minor amount of emissions associated with the water heater.	28, 29			
Vibration	No impact; the proposed project will be inside an existing structure in an existing business park.	28, 29			
Radiation	The proposed project will produce no radiation.	28, 29			
Electro-Magnetic Interference	The proposed project will generate no electro-magnetic interferences.	28, 29			
Other Effects	No other effects are anticipated from the proposed project.	28, 29			
Threatened & Endangered Species	No impact; the proposed project will reuse a portion of an existing structure in an existing business park.	24 - 26			
Impacts From:					
Raw Material	No impacts; potable water, salt, hydrochloric acid (HCl), and sodium hydroxide (NaOH)	10			
Intermediate Products	No impacts; softened water, diluted acid and base solutions	10			
By-Products	NOx emissions from water heater, No impacts from softened water, diluted acid and base solutions	10	The applicant has agreed to purchase one (1) ECR from DEDO for NOx non-ozone to offset water heater emissions	32	
Final Products	No impacts; neutralized and cooled clean water, clean and reusable filtering media.	10			

1 See paragraph I.1.1.b in "Secretary Assessment"

2 Construction and normal operation